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FROM: Julia Church Dierker
RE: Serial No. 10/082,550; Confirmation No. 4523
PAGES TO FOLLOW: -10-
MESSAGE: Please enter the enclosed 1.312 Amendment in the
above-identified application.

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PAGE 02/11

Our Reference: UMJ-102-C (UM-1544d1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ralph T. Yang et al.
Serial Number: 10/082,550
Filing Date: February 25, 2002
Confirmation No.: 4523
Examiner/Art Group Unit: Edward M. Johnson/1754
Title: SELECTIVE ADSORPTION OF ALKENES USING
SUPPORTED METAL COMPOUNDS

CERTIFICATION OF FACSIMILE TRANSMISSION

Sir:

Transmitted with this document is an Amendment Pursuant to 37 C.F.R. § 1.312 in the above-identified application.

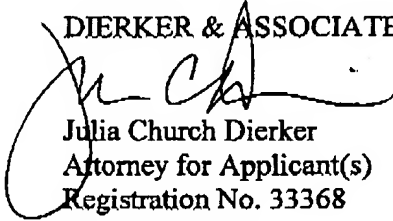
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Respectfully submitted,

DIERKER & ASSOCIATES, P.C.


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3331 West Big Beaver Rd., Suite 109
Troy, Michigan 48084-2813
Dated: August 16, 2004
JCD/hmp



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PATENT

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AMENDMENT PURSUANT TO 37 C.F.R. § 1.312MAIL STOP ISSUE FEE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of Rule 37 C.F.R. 1.312, please enter the following Amendment to the above-identified application.

In the specification:

For the paragraph at page 6, lines 17-21, please revise as follows:

Figure 20 shows multiplicity in PSA cyclic steady states with $\text{AgNO}_3/\text{SiO}_2$. Effect of interstitial purge velocity, Up , on the C_3H_6 C_3H_6 concentration in the desorption (step 4) product. The lower branch started with initial temperature of 70°C while the upper branch started with that of 120°C . $P_H = \text{atm}$; $P_L = 0.1 \text{ atm}$; step time 210 s; feed velocity = .80 cm/s; feed temperature = 70°C .